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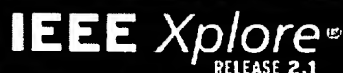|	
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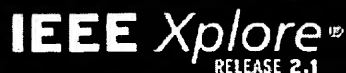|	
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IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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[view selected items]   **Select All Deselect All**

□ 1. **An efficient algorithm for analyzing lar using adaptive integral method combin method**
Feng Ling; Chao-Fu Wang; Jian-Ming Jin
Microwave Theory and Techniques, IEEE
Volume 48, Issue 5, May 2000 Page(s):8
Digital Object Identifier 10.1109/22.8418
AbstractPlus | References | Full Text: PDF
Rights and Permissions

□ 2. **Fast on-chip inductance simulation usir**
Hu, H.; Blaauw, D.T.; Zolotov, V.; Gala, S.S.;
Computer-Aided Design of Integrated Cir Transactions on
Volume 22, Issue 1, Jan 2003 Page(s):4'
Digital Object Identifier 10.1109/TCAD.2
AbstractPlus | References | Full Text: PDF
Rights and Permissions

□ 3. **Impact of computational resource reser performance in the hypercluster enviro**
Tse, K.W.; Lun, P.K.;
Cluster Computing, 2003. Proceedings. 2(on
2003 Page(s):148 - 153
Digital Object Identifier 10.1109/CLUSTI
AbstractPlus | Full Text: PDF(363 KB)
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+grid +ant +task +file

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Published since January 1990 and Published before
November 2003
Terms used **grid ant task file**

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Results 1 - 20 of 35   Result page: **1** 2   next

R(

1 A visualization environment for supercomputing-based applications in con
   mechanics
   C. J. Pavlakos, L. A. Schoof, J. F. Mareda
   December 1993 **Proceedings of the 1993 ACM/IEEE conference on Sup**
   Publisher: ACM Press
   Full text available: 🗎 pdf(1.40   Additional Information: full citation, refe
   MB)

2 A security architecture for computational grids
   Ian Foster, Carl Kesselman, Gene Tsudik, Steven Tuecke
   November 1998 **Proceedings of the 5th ACM conference on Computer**
   communications security
   Publisher: ACM Press
   Full text available: 🗎 pdf(1.23   Additional Information: full citation, refe
   MB)   index terms

3 Frame-sliced partitioned parallel signature files
   Fabio Grandi, Paolo Tiberio, Pavel Zezula

◈ June 1992 **Proceedings of the 15th annual international ACM SIGIR c(**
Research and development in information retrieval
Publisher: ACM Press
Full text available: ⊞ pdf(1.14   Additional Information: <u>full citation</u>, <u>abst</u>
MB)   <u>citings</u>, <u>index ter</u>

The retrieval capabilities of the signature file access method have becom
many data processing applications dealing with both formatted and unfo:
However, performance is still a problem, mainly when large files are use
required. In this paper, a high performance signature file organization is
integrating the latest developments both in storage structure and parallel
architectures. It combines horizontal and vertical app ...

4 <u>Decoupled simulation in virtual reality with the MR toolkit</u>
◈ Chris Shaw, Mark Green, Jiandong Liang, Yunqi Sun
July 1993 **ACM Transactions on Information Systems (TOIS),** Volume
Publisher: ACM Press
Full text available: ⊞ pdf(2.65   Additional Information: <u>full citation</u>, <u>refe:</u>
MB)   <u>index terms</u>

Keywords: interaactive 3D graphics, user interface software

5 <u>Using coordination for cooperative constraint solving</u>
◈ Farhad Arbab, Eric Monfroy
February 1998 **Proceedings of the 1998 ACM symposium on Applied C(**
Publisher: ACM Press
Full text available: ⊞ pdf(1.29
MB)   Additional Information: <u>full citation</u>, <u>refe:</u>

Keywords: constraint solver cooperation, coordination model, dynamic
collaboration language

6
<u>I/O optimal isosurface extraction (extended abstract)</u>

Yi-Jen Chiang, Cláudio T. Silva
October 1997 **Proceedings of the 8th conference on Visualization '97**
Publisher: IEEE Computer Society Press
Full text available: 🗐 pdf(1.45
MB) 🗐   Additional Information: full citation, refe
Publisher   index terms
Site

7 Programmable applications: interpreter meets interface
◈ Michael Eisenberg
April 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 2
Publisher: ACM Press
Full text available: 🗐 pdf(4.42   Additional Information: full citation, abst
MB)   terms

Current fashion in "user-friendly" software design tends to place an over
manipulation interfaces. To be truly expressive (and thus truly user-frien
need both learnable interfaces and domain-enriched languages that are a(
This paper discusses some of the design issues that arise in the creation (
programmable applications. As an example, we present "SchemePaint,"
application that combines a MacPaint-like interface ...

8 CAVEvis: distributed real-time visualization of time-varying scalar and ve
CAVE virtual reality theater
Vijendra Jaswal
October 1997 **Proceedings of the 8th conference on Visualization '97**
Publisher: IEEE Computer Society Press
Full text available: 🗐 pdf(1.23
MB) 🗐   Additional Information: full citation, refe
Publisher   index terms
Site

9 A biological programming model for self-healing
◈ Selvin George, David Evans, Steven Marchette
October 2003 **Proceedings of the 2003 ACM workshop on Survivable a**

**regenerative systems: in association with 10th ACM Con.
Computer and Communications Security**

Publisher: ACM Press

Full text available: 📄 pdf(1.00 MB)   Additional Information: full citation, abst

Biological systems exhibit remarkable adaptation and robustness in the f
changing environments. By adopting properties of biological systems, w
systems that operate adequately even in the presence of catastrophic faili
attacks. We describe a programming paradigm based on the actions of bi
demonstrate the ability of systems built using our model to survive mass
Traditional methods of system design require explicit p ...

10 The design and implementation of hierarchical software systems with reus;

Don Batory, Sean O'Malley

October 1992 **ACM Transactions on Software Engineering and Metho**
Volume 1 Issue 4

Publisher: ACM Press

Full text available: 📄 pdf(3.15 MB)   Additional Information: full citation, abst
                                                                 citings, index ter

We present a domain-independent model of hierarchical software system
construction that is based on interchangeable software components and l
The model unifies the conceptualizations of two independent projects, G
that are successful examples of software component/building-block techi
domain modeling. Building-block technologies exploit large-scale reuse,
architecture software, and elevate the granularity of programming to ...

Keywords: domain modeling, open system architectures, reuse, softwar(
software design

11 Developing multiagent systems: The Gaia methodology

Franco Zambonelli, Nicholas R. Jennings, Michael Wooldridge

July 2003 **ACM Transactions on Software Engineering and Methodolo**
Volume 12 Issue 3

Publisher: ACM Press

Full text available: 📄 pdf(346.49 Additional Information: full citation, abst

KB)   index terms, revi

Systems composed of interacting autonomous agents offer a promising s
approach for developing applications in complex domains. However, thi
paradigm introduces a number of new abstractions and design/developm
compared with more traditional approaches to software development. Ac
analysis and design methodologies, as well as new tools, are needed to e
such systems. Against this background, the contribution ...

Keywords: Multiagent systems, agent-oriented software engineering, an
methodologies, distributed systems, software architectures

12 The HetNOS network operating system: a tool for writing distributed appli
Antônio Marinho Pilla Barcellos, Valdir Rossi Belmonte Filho, João Frede
Schramm, Cláudio Fernando Resin Geyer
October 1994 **ACM SIGOPS Operating Systems Review**, Volume 28 Is
Publisher: ACM Press
Full text available: pdf(1.12
MB)   Additional Information: full citation, abst

The HetNOS network operating system is a set of software layers laid ov
operating systems to provide a distributed programming platform. The e
composed of the HetNOS shell command language and the system calls
through a procedure library). In both levels of interaction with users, the
integrated by HetNOS are seen as a distributed virtual machine. The Het
interpreter, namely *hsh*, implements most functions present in mor ...

13 Supercomputing and transputers
Falk Langhammer, Francis Wray
August 1992 **Proceedings of the 6th international conference on Super**
Publisher: ACM Press
Full text available: pdf(1.72   Additional Information: full citation, abst
MB)   index terms

It will be studied which degree parallel supercomputers can be scaled to.
measures to achieve a maximum scalability will be discussed, and a case
To this purpose, a new class of "supermassively parallel architectures" is
notation of scalable architectures will be extended to reflect the impact o

progress onto cost-functions. For systems in this class, the performance ‹
applications is discussed and two ...

14 SPARK: a benchmark package for sparse computations

Youcef Saad, Harry A. G. Wijshoff

June 1990 **ACM SIGARCH Computer Architecture News , Proceeding**
  international conference on Supercomputing ICS '90, Volur

Publisher: ACM Press

Full text available: pdf(1.56   Additional Information: full citation, abst
          MB)   citings, index ten

As the diversity of novel architectures expands rapidly there is a growin;
the behavior of these architectures for computations arising in different ε
has been significant efforts in evaluating the performance of supercompι
dense computations, and several packages for this purpose have been de·
Linpack benchmark, the Lawrence Livermore Loops, and the Los Alamc
other hand there has been little effort pu ...

Keywords: benchmarks, sparse BLAS, sparse matrix computations

15 A static performance estimator to guide data partitioning decisions

Vasanth Balasundaram, Geoffrey Fox, Ken Kennedy, Ulrich Kremer

April 1991 **ACM SIGPLAN Notices , Proceedings of the third ACM SI·**
  symposium on Principles and practice of parallel programn
  Volume 26 Issue 7

Publisher: ACM Press

Full text available: pdf(976.39 Additional Information: full citation, refe·
          KB)   index terms

16 Models of machines and computation for mapping in multicomputers

Michael G. Norman, Peter Thanisch

September 1993 **ACM Computing Surveys (CSUR),** Volume 25 Issue 3

Publisher: ACM Press

Full text available: pdf(3.49   Additional Information: full citation, refe·
          MB)   index terms

Keywords: mapping, multicomputer load balancing, multicomputers, pa
scheduling

17 Distributed computing in the workstation environment

Johann Mitlöhner

September 1993 **ACM SIGAPL APL Quote Quad , Proceedings of the i
conference on APL APL '93**, Volume 24 Issue 1

Publisher: ACM Press

Full text available: pdf(570.61   Additional Information: full citation, abst
                     KB)   index terms

Exploiting unused processor time in workstation environments can resul
performance gains in user applications. A parallel each operator is show
client-server based distributed processing. A time-consuming algorithm
idle workstations in a local area network as APL servers.

18 Layout and language: integrating spatial and linguistic knowledge for layo
tasks

Matthew Hurst, Tetsuya Nasukawa

July 2000 **Proceedings of the 18th conference on Computational lingui**

Publisher: Association for Computational Linguistics

Full text available: pdf(525.60
                     KB)   Additional Information: full citation, abst

Complex documents stored in a flat or partially marked up file format re
sensitive preprocessing before any natural language processing can be ca
textual content. Contemporary technology for the discovery of basic text
either spatial or other content insensitive methods. However, there are m
knowledge of both the language and layout is required in order to establi
the basic textual blocks. This paper describes ...

19 Information systems security design methods: implications for information
development

Richard Baskerville

December 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 4

Publisher: ACM Press
Full text available: 📄 pdf(3.44   Additional Information: <u>full citation</u>, <u>abst</u>
                     <u>MB)</u>   <u>citings</u>, <u>index ter</u>

The security of information systems is a serious issue because computer
It is important, therefore, that systems analysts and designers develop ex
for specifying information systems security. The characteristics found in
general information system design methods provide a framework for cor
understanding current security design methods. These methods include a
checklists of controls, divide functional req ...

Keywords: checklists, control, integrity, risk analysis, safety, structured
and design, system modeling

20 <u>Limited area numerical weather forecasting on a massively parallel compu</u>
◈ Lex Wolters, Gerard Cats, Nils Gustafsson
July 1994 **Proceedings of the 8th international conference on Supercon**
Publisher: ACM Press
Full text available: 📄 pdf(983.49 Additional Information: <u>full citation</u>, <u>abst</u>
                     <u>KB)</u>   <u>citings</u>, <u>index ter</u>

A data-parallel implementation on a SIMD platform of an operational nu
forecast model is presented. The performances of two popular numerical
these models are discussed, namely finite difference (gridpoint) methods
methods. In this paper in particular the performance achieved for a full p
investigated. Also the price/performance ratios of several compute platfc
model are shown.

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Terms used **grid** **xml** **ant**

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R(

1 Grid-Based Galaxy Morphology Analysis for the National Virtual Observa
   Ewa Deelman, Raymond Plante, Carl Kesselman, Gurmeet Singh, Mei-Hu
   Greene, Robert Hanisch, Niall Gaffney, Antonio Volpicelli, James Annis, `
   Budavari, Maria Nieto-Santisteban, William O'Mullane, David Bohlender,
   Arnold Rots, Olga Pevunova
   November 2003 **Proceedings of the 2003 ACM/IEEE conference on Su**
   Publisher: IEEE Computer Society
   Full text available: ⊡ pdf(357.64
   KB)   Additional Information: full citation, abst

   As part of the development of the National Virtual Observatory (NVO),
   astronomy, we have developed a prototype science application to explor(
   history of galaxy clusters by analyzing the galaxies' morphologies. The ⌐
   prototype is to investigate how Grid-based technologies can be used to p
   computational services within the NVO environment. In this paper we fc
   enabling technology components, particularly Chimera and Pegasus ...

2 A geographically-distributed, assignment-structured undergraduate grid co
◆ Mark A. Holliday, Barry Wilkinson, Jeffrey House, Samir Daoud, Clayton
   February 2005 **ACM SIGCSE Bulletin , Proceedings of the 36th SIGCS**
                 symposium on Computer science education SIGCSE '05
                 1
   Publisher: ACM Press

Full text available: 🖹 pdf(115.13 Additional Information: <u>full citation</u>, <u>abst</u>
                             KB)   <u>index terms</u>

Grid computing is now mature enough and important enough to be studi
the undergraduate level for upper-level computer science majors. We ha
course, including a set of lecture slides, assignments, and assignment ha
targeted for this audience. The sequence of assignments is a key part of t
the assignments are modifications of pre-existing work and others are co
describe the key decisions we made about the ...

Keywords: assignments, globus, grid computing, grid services, web serv

3 <u>GLARE: A Grid Activity Registration, Deployment and Provisioning Fran</u>
Mumtaz Siddiqui, Alex Villazon, Jurgen Hofer, Thomas Fahringer
November 2005 **Proceedings of the 2005 ACM/IEEE conference on Sup
'05**
Publisher: IEEE Computer Society
Full text available: 🖹 pdf(1.43
                             MB)   Additional Information: <u>full citation</u>, <u>abst</u>

Resource management is a key concern for implementing effective Grid
shielding application developers from low level details. Existing resourc
concentrate mostly on physical resources. However, some advanced Gri
environments allow application developers to specify Grid application c
level of abstraction which then requires an effective mapping between hi
description (activity types) and actual deployed software components ...

4 <u>GridInfo: a graphical Grid monitoring tool in Java</u>
Lawrence Osborne, Stanley Thalayattampallil
October 2005 **Journal of Computing Sciences in Colleges**, Volume 21 Is
Publisher: Consortium for Computing Sciences in Colleges
Full text available: 🖹 pdf(1.36   Additional Information: <u>full citation</u>, <u>abst</u>
                             MB)   <u>index terms</u>

Grid computing is increasingly used by organizations to achieve high pe
computing. These Grids may span several countries. As a result of this, t
to monitor and manage. This paper aims at providing a real-time, multi-p
monitoring tool. GridInfo monitors resources such as CPU and memory

manner. We monitor resource usage for processes on individual machine
the information is displayed using real-time graphs. GridInfo suppor ...

Keywords: cluster monitor, graphical monitor, grid computing, grid mo

5 <u>Peer-to-peer resource discovery in mobile Grids</u>
Luciana dos S. Lima, Antônio T. A. Gomes, Artur Ziviani, Markus Endler,
Bruno Schulze
November 2005 **Proceedings of the 3rd international workshop on Mid
computing MGC '05**
Publisher: ACM Press
Full text available: pdf(533.52 Additional Information: <u>full citation</u>, <u>abst</u>
          <u>KB)</u>   <u>index terms</u>

Grids are likely to be the mainstay of distributed computing. Grid was fi
concept for sharing computing resources among wired nodes, but there h
interest in extending this concept to mobile environments. Although sigr
been done towards mobile grids, much of it has followed centralized app
infrastructure wireless networks. We believe that a less restrictive, decen
that supports *mobile collaboration* in ad-ho ...

Keywords: P2P protocols, ad-hoc networks, middleware, mobile collabc
grids, resource discovery

6 <u>Frontmatter (TOC, Letters, Election results, Software Reliability Resource:</u>
<u>Curricula 2004 and the Software Engineering Volume SE2004, Software R</u>
<u>ICSE 2005 Forward)</u>
July 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Iss
Publisher: ACM Press
Full text available: pdf(6.19
          MB)   Additional Information: <u>full citation</u>, <u>inde</u>

7

<u>Grid middleware services for virtual data discovery, composition, and inte</u>

Yong Zhao, Michael Wilde, Ian Foster, Jens Voeckler, Thomas Jordan, Eli James Dobson

October 2004 **Proceedings of the 2nd workshop on Middleware for gric '04**

Publisher: ACM Press

Full text available: 🗎 pdf(289.58 Additional Information: <u>full citation</u>, <u>abst</u>
KB)   <u>index terms</u>

We describe the services, architecture and application of the GriPhyN V a suite of components and services that allow users to describe virtual da declarative terms, discover definitions and assemble workflows based or and execute the resulting workflows on Grid resources. We show how th level services have been applied by specific communities to manage scie workflows. In particular, we highlight and introduce &# ...

Keywords: data discovery, data grid, data integration, portal, provenanc workflow

8 <u>Courses: Renderman for everyone</u>

Rudy Cortes, Hal Bertram, Tal Lancaster, Dan Maas, Moritz Moeller, Heat Raghavachary

July 2006 **Material presented at the ACM SIGGRAPH 2006 conferenc**
Publisher: ACM Press

Full text available: 🗎 pdf(6.12
MB)   Additional Information: <u>full citation</u>, <u>abst</u>

An in-depth three-part course designed to expand knowledge of the RIS[an introduction to RenderMan. The second is a detailed look into the RIS presents tips and tricks used in production.

9 <u>Application deployment using catallactic Grid middleware</u>

Liviu Joita, Omer F. Rana, Pablo Chacín, Isaac Chao, Felix Freitag, Leand Ardaiz

November 2005 **Proceedings of the 3rd international workshop on Mid computing MGC '05**
Publisher: ACM Press

Full text available: 🗎 pdf(390.37 Additional Information: <u>full citation</u>, <u>abst</u>

<div align="center">KB)</div>   <div align="right">index terms</div>

In this paper we describe an application deployment using a Catallactic (
middleware, which is based on the Catallaxy "free market" self-organisa
described by von Hayek [7], who understood the market as a decentralis(
mechanism opposite to a centralised command economy. The implement
Globus Toolkit, JXTA and WSRF. The paper envisages the resource virt
WSRF context as the main driver for a proper connection middleware-ba

Keywords: economic-based allocation, grid, middleware

10 PSGEA contributions: Parameter sweeps for exploring GP parameters

Michael E. Samples, Jason M. Daida, Matt Byom, Matt Pizzimenti

June 2005 **Proceedings of the 2005 workshops on Genetic and evolutior GECCO '05**

Publisher: ACM Press

Full text available: pdf(486.24 Additional Information: <u>full citation, abst</u>
<div align="center">KB)</div>   <div align="right">index terms</div>

This paper describes our procedure and a software application for condu
parameter sweep experiments in genetic and evolutionary computation r(
procedure and software allows a researcher to examine multivariate nonl
common in genetic and evolutionary computation. Experiments of this n
to distributed computing environments (such as Grids and clusters) and \
automated system for conducting parameter sweep experiments on hete .

Keywords: data reduction, distributed computation, evolutionary compu
management, parameter sweep

11 Link and channel measurement: A simple mechanism for capturing and rer
channels

Glenn Judd, Peter Steenkiste

August 2005 **Proceeding of the 2005 ACM SIGCOMM workshop on E; approaches to wireless network design and analysis E-WI**

Publisher: ACM Press

Full text available: pdf(6.06   Additional Information: <u>full citation, abst</u>

MB)   index terms

Physical layer wireless network emulation has the potential to be a powe
tool. An important challenge in physical emulation, and traditional simul
accurately model the wireless channel. In this paper we examine the pos:
card signal strength measurements to capture wireless channel traces. A :
this approach is the simplicity and ubiquity with which these measureme
since virtually all wireless devices provide the req ...

Keywords: channel capture, emulation, wireless

12 Developing multiagent systems: The Gaia methodology

Franco Zambonelli, Nicholas R. Jennings, Michael Wooldridge
July 2003 **ACM Transactions on Software Engineering and Methodolo**
Volume 12 Issue 3
Publisher: ACM Press
Full text available: pdf(346.49 Additional Information: full citation, abst
KB)   index terms, revi

Systems composed of interacting autonomous agents offer a promising s
approach for developing applications in complex domains. However, thi:
paradigm introduces a number of new abstractions and design/developm
compared with more traditional approaches to software development. A(
analysis and design methodologies, as well as new tools, are needed to e
such systems. Against this background, the contribution ...

Keywords: Multiagent systems, agent-oriented software engineering, an
methodologies, distributed systems, software architectures

13 Workshop and conference summaries: Human and social factors of softwa
workshop summary
Michael John, Frank Maurer, Bjørnar Tessem
July 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Iss
Publisher: ACM Press
Full text available: pdf(234.79 Additional Information: full citation, abst
KB)   index terms

Software is developed for people and by people. Human and social facto strong impact on the success of software development endeavours and th Surprisingly, much of software engineering research in the last decade is quantitative and deemphasizes the people aspect. The workshop on Hum Factors in Software Engineering has been picking up on the some of the software development that was highlighted in the early days of software

Keywords: agile methods, communication architectures, decision suppo human-centric collaboration support, interaction theory, knowledge diss management, qualitative studies, social software, software engineering

14 Papers: coordination and planning: Programming stigmergic coordination middleware
Marco Mamei, Franco Zambonelli
July 2005 **Proceedings of the fourth international joint conference on A and multiagent systems AAMAS '05**
Publisher: ACM Press
Full text available: pdf(737.82 Additional Information: full citation, abst KB)   index terms

Stigmergic coordination has received a growing attention in the past few decoupling interacting agents via the mediation of an active environmen promotes the definition of robust and adaptive multiagent systems. How amount of scientific studies, the problem of defining usable and general- program stigmergy-coordinated multiagent systems is still open. In this shows how the TOTA middleware can be effectively ex ...

15 Full papers: Model-based adaptation for self-healing systems
David Garlan, Bradley Schmerl
November 2002 **Proceedings of the first workshop on Self-healing syste**
Publisher: ACM Press
Full text available: pdf(126.12 Additional Information: full citation, abst KB)   citings, index ter

Traditional mechanisms that allow a system to detect and recover from e wired into applications at the level of code where they are hard to chang An alternative approach is to use *externalized adaptation*: one or more n are maintained at run time and external to the application as a basis for i

and resolving them. In this paper we provide an overview of recent resea
architectural models as the ba ...

Keywords: model-based systems, self-healing systems, software archite

16 Layout and language: integrating spatial and linguistic knowledge for layoi
tasks
Matthew Hurst, Tetsuya Nasukawa
July 2000 **Proceedings of the 18th conference on Computational lingui:**
Publisher: Association for Computational Linguistics
Full text available: pdf(525.60
KB) Additional Information: full citation, abst

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sensitive preprocessing before any natural language processing can be ca
textual content. Contemporary technology for the discovery of basic text
either spatial or other content insensitive methods. However, there are m
knowledge of both the language and layout is required in order to establi
the basic textual blocks. This paper describes ...

17 Research session: peer-to-peer and distributed computing: Indexing data-oi
networks
Karl Aberer, Anwitaman Datta, Manfred Hauswirth, Roman Schmidt
August 2005 **Proceedings of the 31st international conference on Very I**
VLDB '05
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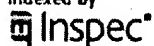|	
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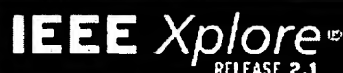
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